

# INTERNATIONAL SEARCH REPORT

IB2004/052422

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B20/10 G11B27/031

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/168181 A1 (HSIAO KENNY ET AL) 14 November 2002 (2002-11-14) cited in the application the whole document	1-11
A	EP 1 074 989 A (HEWLETT-PACKARD COMPANY) 7 February 2001 (2001-02-07) paragraph '0009! - paragraph '0028!	1-11
A	US 2001/004403 A1 (WARNICK JAMES ET AL) 21 June 2001 (2001-06-21) paragraphs '0007!, '0027! - '0031! paragraphs '0055! - '0062!, '0075!	1-11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

20 April 2005

Date of mailing of the international search report

28/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax: (+31-70) 340-3016

Authorized officer

D'Attilia, M

## INTERNATIONAL SEARCH REPORT

IB2004/052422

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002168181	A1	14-11-2002	JP	2002354414 A	06-12-2002
EP 1074989	A	07-02-2001	DE	60016518 D1	13-01-2005
			EP	1074989 A1	07-02-2001
			JP	2001094929 A	06-04-2001
US 2001004403	A1	21-06-2001	US	6195458 B1	27-02-2001
			US	2001005430 A1	28-06-2001